## ALGEBRA 1 <br> 2-9 PRACTICE WORKSHEET

Name $\qquad$
Date $\qquad$

Solve for each percent, base or amount using a proportion and an equation. NOTE: The answers from each method should be the same.

1. Write the generic version for each.

Percent Proportion
Percent Equation
2. What is $40 \%$ of 120 ?

Proportion
Equation
3. $70 \%$ of what number is 63 ?

Proportion
Equation
4. What percent of 65 is 115 ?

Proportion
Equation
5. A pair of pants that regularly costs $\$ 55$ are on sale for $35 \%$ off the regular price. What is the sales price of the pants? Solve using an equation.
6. An entrepreneur purchases items from a wholesale outlet and resells them on her own website. If she purchases an item for $\$ 18$ and marks ups her merchandise $40 \%$, what price will she sell the item for on her website? Solve using an equation.
7. $\$ 13,000$ is deposited into a savings account that earns simple interest at a rate of $6.5 \%$ per year. How much interest will the money earn after 3 years? Use I = prt.
8. A family deposited $\$ 8,000$ into an account six years ago. The account earned simple interest at an annual rate. So far the total interest earned is $\$ 1200$.
What is the interest rate for the account? Use I = prt.

